

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	4	"6771059"	US-PGPUB; USPAT	AND	OFF	2007/10/24 06:39
L2	19	"6130828"	US-PGPUB; USPAT; USOCR	AND	OFF	2007/10/24 06:41
L11	42	converter same rectifier same reset\$4 same different\$4	US-PGPUB; USPAT	AND	OFF	2007/10/24 07:28
L12	6	converter same rectifier same reset\$4 near3 different\$6	US-PGPUB; USPAT	AND	OFF	2007/10/24 07:30
L13	24	rectifier same reset\$4 near3 different\$6	US-PGPUB; USPAT	AND	OFF	2007/10/24 07:32
L14	3	rectifier same reset\$4 adj different\$6	US-PGPUB; USPAT	AND	OFF	2007/10/24 07:32
L15	15	converter same reset\$4 adj different\$6	US-PGPUB; USPAT	AND	OFF	2007/10/24 07:39
L16	3	pwm same reset\$4 adj different\$6	US-PGPUB; USPAT	AND	OFF	2007/10/24 07:39
S1	301	363/21.12.ccls.	US-PGPUB; USPAT	AND	OFF	2007/10/03 06:48
S2	87	363/21.13.ccls.	US-PGPUB; USPAT	AND	OFF	2007/10/03 06:48
S3	96	363/21.17.ccls.	US-PGPUB; USPAT	AND	OFF	2007/10/03 06:48
S4	237	363/21.18.ccls.	US-PGPUB; USPAT	AND	OFF	2007/10/03 06:49
S5	140	363/56.01.ccls.	US-PGPUB; USPAT	AND	OFF	2007/10/03 06:49
S6	1182	363/97.ccls.	US-PGPUB; USPAT	AND	OFF	2007/10/03 06:49
S7	571	363/131.ccls.	US-PGPUB; USPAT	AND	OFF	2007/10/03 06:49
S8	2172	363/21.12,21.13,21.17,21.18,56. 01,97,131.ccls.	US-PGPUB; USPAT	AND	OFF	2007/10/03 06:50
S9	136019	integrat\$5.ab.	US-PGPUB; USPAT	AND	OFF	2007/10/03 07:23
S10	99	S8 and S9	US-PGPUB; USPAT	AND	OFF	2007/10/03 06:52
S11	62446	((integrated adj circuit) or IC).ab.	US-PGPUB; USPAT	AND	OFF	2007/10/03 07:24
S12	72	S10 not S11	US-PGPUB; USPAT	AND	OFF	2007/10/03 06:53

## EAST Search History

S13	62032	differentia\$6.ab.	US-PGPUB; USPAT	AND	OFF	2007/10/03 14:46
S14	32	S8 and S13	US-PGPUB; USPAT	AND	OFF	2007/10/03 08:16
S15	32	S13 and S14	US-PGPUB; USPAT	AND	OFF	2007/10/03 06:56
S16	3	S12 and S13	US-PGPUB; USPAT	AND	OFF	2007/10/03 06:56
S17	22907	integrat\$5 and differentia\$5.ab.	US-PGPUB; USPAT	AND	OFF	2007/10/03 07:23
S18	13	S8 and S17	US-PGPUB; USPAT	AND	OFF	2007/10/03 07:23
S19	488667	((integrated adj circuit) or IC)	US-PGPUB; USPAT	AND	OFF	2007/10/03 07:24
S20	5	S18 not S19	US-PGPUB; USPAT	AND	OFF	2007/10/03 07:24
S21	8	("5581452"   "5617306"   "5892643").PN. OR ("6304472"). URPN.	US-PGPUB; USPAT; USOCR	AND	OFF	2007/10/03 07:29
S22	32	("3659184"   "4862057"   "4947309"   "5270904"   "5278490").PN. OR ("5617306"). URPN.	US-PGPUB; USPAT; USOCR	AND	OFF	2007/10/03 07:55
S24	70781	switch\$4 same differentia\$6	US-PGPUB; USPAT	AND	OFF	2007/10/03 08:49
S25	224	S8 and S24	US-PGPUB; USPAT	AND	OFF	2007/10/03 09:37
S26	18	("3568038"   "3863126"   "4163278"   "4196469"   "4253136"   "4276586").PN. OR ("4413313").URPN.	US-PGPUB; USPAT; USOCR	AND	OFF	2007/10/03 08:24
S27	75	switch\$4 same differentia\$6 same potential adj divider	US-PGPUB; USPAT	AND	OFF	2007/10/03 08:52
S28	0	S8 and S27	US-PGPUB; USPAT	AND	OFF	2007/10/03 08:51
S29	309	switch\$4 same differentia\$6 same resistor same inductor	US-PGPUB; USPAT	AND	OFF	2007/10/03 08:54
S30	3	S8 and S29	US-PGPUB; USPAT	AND	OFF	2007/10/03 08:52
S31	1195	differentia\$6 same resistor same inductor	US-PGPUB; USPAT	AND	OFF	2007/10/03 08:54
S32	7	S8 and S31	US-PGPUB; USPAT	AND	OFF	2007/10/03 08:54
S33	737	hard same amplitude same different\$6	US-PGPUB; USPAT	AND	OFF	2007/10/03 09:39

## EAST Search History

S35	335507	switch\$4 same different\$6	US-PGPUB; USPAT	AND	OFF	2007/10/03 09:45
S36	418255	amplifier	US-PGPUB; USPAT	AND	OFF	2007/10/03 09:40
S37	242465	S35 not S36	US-PGPUB; USPAT	AND	OFF	2007/10/03 09:40
S38	432	S8 and S37	US-PGPUB; USPAT	AND	OFF	2007/10/03 09:41
S39	46784	reset same cycle	US-PGPUB; USPAT	AND	OFF	2007/10/03 09:42
S40	228	S39 and S8	US-PGPUB; USPAT	AND	OFF	2007/10/03 09:42
S41	42	S38 and S40	US-PGPUB; USPAT	AND	OFF	2007/10/03 09:43
S42	17715	switch\$4 same differentiat\$4	US-PGPUB; USPAT	AND	OFF	2007/10/03 09:45
S43	70781	switch\$4 same differentia\$6	US-PGPUB; USPAT	AND	OFF	2007/10/03 10:59
S44	34619	S43 not S36	US-PGPUB; USPAT	AND	OFF	2007/10/03 09:46
S45	66	S8 and S44	US-PGPUB; USPAT	AND	OFF	2007/10/03 09:46
S46	3568	switch\$4 same differentia\$6 adj circuit	US-PGPUB; USPAT	AND	OFF	2007/10/03 10:59
S47	24	S8 and S46	US-PGPUB; USPAT	AND	OFF	2007/10/03 11:19
S48	1480	flip adj flop same differentia\$6 adj circuit	US-PGPUB; USPAT	AND	OFF	2007/10/03 11:24
S49	4	S8 and S48	US-PGPUB; USPAT	AND	OFF	2007/10/03 11:20
S50	2	"6433491"	US-PGPUB; USPAT	AND	OFF	2007/10/03 11:25
S51	24	"5696431"	US-PGPUB; USPAT	AND	OFF	2007/10/03 11:28
S52	9	"6252784"	US-PGPUB; USPAT	AND	OFF	2007/10/03 11:29
S53	16	("4152546"   "4671271"   "4866587"   "5229929"   "5307407"   "5440262"   "5600713"   "5828558"   "5917714"   "6049471"   "6088243").PN. OR ("6252784"). URPN.	US-PGPUB; USPAT; USOCR	AND	OFF	2007/10/03 11:29
S55	1884	(differentiator or differetiating) adj circuit	US-PGPUB; USPAT	AND	OFF	2007/10/03 11:37

## EAST Search History

S56	526	S55 not S36	US-PGPUB; USPAT	AND	OFF	2007/10/03 11:36
S58	9	S8 and S55	US-PGPUB; USPAT	AND	OFF	2007/10/03 11:37
S59	26	("3072837"   "3701937"   "3818318"   "3909696"   "3931566"   "3986101"   "3989995"   "4146832"   "4150424").PN. OR ("4283759"). URPN.	US-PGPUB; USPAT; USOCR	AND	OFF	2007/10/03 11:39
S60	5	("5612862"   "6069803"   "6249444").PN. OR ("6958920"). URPN.	US-PGPUB; USPAT; USOCR	AND	OFF	2007/10/03 11:46
S62	5	("5612862"   "6069803"   "6249444").PN. OR ("6958920"). URPN.	US-PGPUB; USPAT; USOCR	AND	OFF	2007/10/03 12:15
S63	16	("5410467"   "5485361"   "5570278"   "5796595"   "5880943").PN. OR ("6069803"). URPN.	US-PGPUB; USPAT; USOCR	AND	OFF	2007/10/03 12:20
S64	17	("5057986"   "5099406"   "5206800"   "5383106"   "5402329"   "5430633"   "5726869"   "5734563"   "5784266"   "5991167"   "6011703"   "6058026"   "6069803"   "6201714").PN. OR ("6407934").URPN.	US-PGPUB; USPAT; USOCR	AND	OFF	2007/10/03 12:34
S65	18	"5612862"	US-PGPUB; USPAT	AND	OFF	2007/10/03 12:39
S66	13	"6069803"	US-PGPUB; USPAT	AND	OFF	2007/10/03 12:45
S67	5	"6249444"	US-PGPUB; USPAT	AND	OFF	2007/10/03 12:47
S68	6384	differential adj circuit	US-PGPUB; USPAT	AND	OFF	2007/10/03 12:52
S69	7	S8 and S68	US-PGPUB; USPAT	AND	OFF	2007/10/03 12:48
S70	21996	"363"/\$.cccls.	US-PGPUB; USPAT	AND	OFF	2007/10/03 12:52
S71	87	S68 and S70	US-PGPUB; USPAT	AND	OFF	2007/10/03 12:52
S72	4	("4661880"   "4764856").PN. OR ("5519598").URPN.	US-PGPUB; USPAT; USOCR	AND	OFF	2007/10/03 12:58

## EAST Search History

S73	3	("5519598"   "5625539"   "5696670").PN. OR ("6798676").URPN.	US-PGPUB; USPAT; USOCR	AND	OFF	2007/10/03 12:59
S74	4	("4661880"   "4764856").PN. OR ("5519598").URPN.	US-PGPUB; USPAT; USOCR	AND	OFF	2007/10/03 13:02
S75	515155	differential	US-PGPUB; USPAT	AND	OFF	2007/10/03 13:07
S76	0	differentiating adj means.ab.	US-PGPUB; USPAT	AND	OFF	2007/10/03 13:07
S77	0	differentiating adj means.clm.	US-PGPUB; USPAT	AND	OFF	2007/10/03 13:08
S78	9406	differentiating.clm.	US-PGPUB; USPAT	AND	OFF	2007/10/03 13:14
S79	20	S8 and S78	US-PGPUB; USPAT	AND	OFF	2007/10/03 13:08
S80	2024	differentiating.ab.	US-PGPUB; USPAT	AND	OFF	2007/10/03 13:14
S81	6	S8 and S80	US-PGPUB; USPAT	AND	OFF	2007/10/03 13:16
S82	45	switch adj mode adj power same differentia\$6	US-PGPUB; USPAT	AND	OFF	2007/10/03 13:31
S83	28	("3733536"   "3768012"   "4293812"   "4316136"   "4929882"   "5465201"   "5734259"   "5770940"   "5877611"   "5939871"   "5955872"   "5959443"   "5982160").PN. OR ("6127814").URPN.	US-PGPUB; USPAT; USOCR	AND	OFF	2007/10/03 13:23
S84	3567	differentia\$6 same inductor	US-PGPUB; USPAT	AND	OFF	2007/10/03 13:32
S85	38	S8 and S84	US-PGPUB; USPAT	AND	OFF	2007/10/03 13:39
S86	16153	flip same amplifier	US-PGPUB; USPAT	AND	OFF	2007/10/03 13:40
S87	4552	switch same flip same amplifier	US-PGPUB; USPAT	AND	OFF	2007/10/03 13:40
S88	641	switch same flip same amplifier same differentia\$6	US-PGPUB; USPAT	AND	OFF	2007/10/03 13:40
S89	8	S8 and S64	US-PGPUB; USPAT	AND	OFF	2007/10/03 13:41
S90	8	S8 and S88	US-PGPUB; USPAT	AND	OFF	2007/10/03 13:41

## EAST Search History

S91	12	("4564820"   "4593347"   "4597036"   "4608625"   "4648016"   "4688159"   "4694385"   "4766528"   "4794508").PN. OR ("5032967").URPN.	US-PGPUB; USPAT; USOCR	AND	OFF	2007/10/03 13:52
S92	1703	363/16,17,22.ccls.	US-PGPUB; USPAT	AND	OFF	2007/10/03 13:52
S93	24439	different\$6 adj circuit	US-PGPUB; USPAT	AND	OFF	2007/10/03 13:53
S94	47	S92 and S93	US-PGPUB; USPAT	AND	OFF	2007/10/03 14:09
S95	21996	"363"/\$.ccls.	US-PGPUB; USPAT	AND	OFF	2007/10/03 14:10
S96	42593	switch same differentia\$5	US-PGPUB; USPAT	AND	OFF	2007/10/03 14:12
S97	666	S95 and S96	US-PGPUB; USPAT	AND	OFF	2007/10/03 14:11
S98	208	S97 not S36	US-PGPUB; USPAT	AND	OFF	2007/10/03 14:11
S99	2317	switch same differentia\$5 adj circuit	US-PGPUB; USPAT	AND	OFF	2007/10/03 14:24
S10 1	61	S99 and S95	US-PGPUB; USPAT	AND	OFF	2007/10/03 14:14
S10 2	42593	switch same differentia\$5	US-PGPUB; USPAT	AND	OFF	2007/10/03 14:24
S10 3	666	S95 and S102	US-PGPUB; USPAT	AND	OFF	2007/10/03 14:25
S10 6	1155	hard adj switch\$4	US-PGPUB; USPAT	AND	OFF	2007/10/03 14:31
S10 7	327	S95 and S106	US-PGPUB; USPAT	AND	OFF	2007/10/03 14:31
S10 8	273	hard adj switch\$4 and differentia\$6	US-PGPUB; USPAT	AND	OFF	2007/10/03 14:31
S10 9	42	S95 and S108	US-PGPUB; USPAT	AND	OFF	2007/10/03 14:32

## EAST Search History

S11 0	23	("4847554"   "4899271"   "5047911"   "5220492"   "5274543"   "5291382"   "5303138"   "5434768"   "5528482"   "5541828"   "5590032"   "5625541"   "5870299"   "5920475"   "5940287"   "5956245"   "6002597"   "6011703"   "6038154"   "6069799"   "6091616"   "6191676"   "RE36571").PN. OR ("6400580"). URPN.	US-PGPUB; USPAT; USOCR	AND	OFF	2007/10/03 14:45
S11 1	729414	differentia\$6	US-PGPUB; USPAT	AND	OFF	2007/10/03 14:46
S11 2	874	363/17.ccls.	US-PGPUB; USPAT	AND	OFF	2007/10/03 14:46
S11 3	128	S111 and S112	US-PGPUB; USPAT	AND	OFF	2007/10/03 14:51
S11 4	50880	differentiating	US-PGPUB; USPAT	AND	OFF	2007/10/03 14:51
S11 5	10	S112 and S114	US-PGPUB; USPAT	AND	OFF	2007/10/03 14:54
S11 6	2606	bi same directional same converter	US-PGPUB; USPAT	AND	OFF	2007/10/03 14:55
S11 7	725	S111 and S116	US-PGPUB; USPAT	AND	OFF	2007/10/03 14:55
S11 8	84	S117 and S95	US-PGPUB; USPAT	AND	OFF	2007/10/03 15:00
S11 9	37	smps same differentia\$6	US-PGPUB; USPAT	AND	OFF	2007/10/03 15:07
S12 0	2556	op same amp same differentia\$4	US-PGPUB; USPAT	AND	OFF	2007/10/03 15:24
S12 1	40	S95 and S120	US-PGPUB; USPAT	AND	OFF	2007/10/03 15:11
S12 2	13	("4276510"   "4584635"   "4899103"   "4914383"   "5053695"   "5196784"   "5327789").PN. OR ("5552979"). URPN.	US-PGPUB; USPAT; USOCR	AND	OFF	2007/10/03 15:16
S12 3	844	op same amp same clock	US-PGPUB; USPAT	AND	OFF	2007/10/03 15:26
S12 4	25	S95 and S123	US-PGPUB; USPAT	AND	OFF	2007/10/03 15:25
S12 5	22174	differentia\$6 same clock	US-PGPUB; USPAT	AND	OFF	2007/10/03 15:47

## EAST Search History

S12 6	146	S95 and S125	US-PGPUB; USPAT	AND	OFF	2007/10/03 15:26
S12 7	879	differentia\$6 same output adj voltage same monitor\$4	US-PGPUB; USPAT	AND	OFF	2007/10/03 15:47
S12 8	58	S95 and S127	US-PGPUB; USPAT	AND	OFF	2007/10/03 15:48
S12 9	2	("5963438"   "6490178").PN. OR ("6671190").URPN.	US-PGPUB; USPAT; USOCR	AND	OFF	2007/10/03 15:56
S13 0	25010	resistor same capacitor same differentia\$4	US-PGPUB; USPAT; USOCR	AND	OFF	2007/10/03 15:57
S13 1	9858	switch\$4 same resistor same capacitor same differentia\$4	US-PGPUB; USPAT; USOCR	AND	OFF	2007/10/03 15:58
S13 2	255	S95 and S131	US-PGPUB; USPAT; USOCR	AND	OFF	2007/10/03 15:59
S13 3	12898	differentiat\$6 same switch\$4 same signal	US-PGPUB; USPAT; USOCR	AND	OFF	2007/10/03 16:00
S13 4	182	S95 and S133	US-PGPUB; USPAT; USOCR	AND	OFF	2007/10/03 16:10
S13 5	82	switching adj power adj supply with differentia\$6	US-PGPUB; USPAT; USOCR	AND	OFF	2007/10/03 16:12
S13 6	8	("4220987"   "4312029"   "4322785"   "4352054"   "4420804").PN. OR ("4510563"). URPN.	US-PGPUB; USPAT; USOCR	AND	OFF	2007/10/03 16:16
S13 7	6	("5285366"   "5408402"   "5465201"   "5469349"   "5528483").PN. OR ("5631816"). URPN.	US-PGPUB; USPAT; USOCR	AND	OFF	2007/10/03 16:46
S13 8	3	"4506236"	US-PGPUB; USPAT	AND	OFF	2007/10/03 16:52
S13 9	58	motor adj controller same switch\$4 same differentia\$6	US-PGPUB; USPAT	AND	OFF	2007/10/03 16:54
S14 0	164	(circuit or amplifier) near3 differentia\$6 with resistor with inductor	US-PGPUB; USPAT	AND	OFF	2007/10/04 06:31
S14 1	2173	363/21.12,21.13,21.17,21.18,56. 01,97,131.ccls.	US-PGPUB; USPAT	AND	OFF	2007/10/04 06:25
S14 2	0	S140 and S141	US-PGPUB; USPAT	AND	OFF	2007/10/04 06:25



## EAST Search History

S14 3	601	(circuit or amplifier) near3 differentia\$6 same resistor same inductor	US-PGPUB; USPAT	AND	OFF	2007/10/04 06:38
S14 4	2	S141 and S143	US-PGPUB; USPAT	AND	OFF	2007/10/04 06:32
S14 5	14222	potential same divider	US-PGPUB; USPAT	AND	OFF	2007/10/04 06:36
S14 6	22005	"363"/\$.ccls.	US-PGPUB; USPAT	AND	OFF	2007/10/04 06:35
S14 7	41	S143 and S146	US-PGPUB; USPAT	AND	OFF	2007/10/04 06:35
S14 8	3	potential adj divider with resistor with inductor	US-PGPUB; USPAT	AND	OFF	2007/10/04 06:36
S14 9	65	(circuit or amplifier) near3 differentia\$6 same resistor same inductor same divider	US-PGPUB; USPAT	AND	OFF	2007/10/04 06:41
S15 0	1	(circuit or amplifier) near3 differentia\$6 same divider near3 resistor near3 inductor	US-PGPUB; USPAT	AND	OFF	2007/10/04 06:41
S15 1	13	divider near3 resistor near3 inductor	US-PGPUB; USPAT	AND	OFF	2007/10/04 06:55
S15 2	0	divider near3 resistor near3 inductor same differential	US-PGPUB; USPAT	AND	OFF	2007/10/04 06:56
S15 3	5	divider near3 resistor near3 inductor and differential	US-PGPUB; USPAT	AND	OFF	2007/10/04 06:56
S15 4	1	"6912138"	US-PGPUB; USPAT	AND	OFF	2007/10/04 12:26
S15 5	3	"6958920"	US-PGPUB; USPAT	AND	OFF	2007/10/04 12:26
S15 6	25	("4788634"   "5708571"   "5726869"   "5742491"   "5784266"   "5818704"   "6011703"   "6061255"   "6081432"   "6185114"   "6188592"   "6222747"   "6252781"   "6256214"   "6343026"   "6373734"   "6459595"   "6459600"   "6462965"   "6538905"   "6545883"   "6563725"   "6628532"   "6711039"   "RE37221").PN. OR ("6912138"). URPN.	US-PGPUB; USPAT; USOCR	AND	OFF	2007/10/04 12:36

## EAST Search History

S15 7	25	("4788634"   "5708571"   "5726869"   "5742491"   "5784266"   "5818704"   "6011703"   "6061255"   "6081432"   "6185114"   "6188592"   "6222747"   "6252781"   "6256214"   "6343026"   "6373734"   "6459595"   "6459600"   "6462965"   "6538905"   "6545883"   "6563725"   "6628532"   "6711039"   "RE37221").PN. OR ("6912138"). URPN.	US-PGPUB; USPAT; USOCR	AND	OFF	2007/10/04 12:36
S15 8	19	"6130828"	US-PGPUB; USPAT; USOCR	AND	OFF	2007/10/23 19:49